

37259/SAH/B600

VIDEO AND GRAPHICS SYSTEM WITH AN INTEGRATED SYSTEM BRIDGE  
CONTROLLER

ABSTRACT OF THE DISCLOSURE

5       A video and graphics system on an integrated circuit chip  
includes an integrated system bridge controller to interface a  
CPU with devices internal to the system as well as external  
peripheral devices. The system bridge controller is capable of  
performing format conversion between big-endian data and little-  
10   endian data. The system bridge controller includes a PCI bridge  
to interface with PCI devices, an I/O bus bridge to interface  
with I/O devices such as RAM, ROM, flash memory and 68000-  
compatible peripheral devices, and a CPU interface block to  
interface the CPU to video processing devices on the integrated  
15   circuit chip such as an MPEG video decoder.

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